BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Improvement and Asphalting to Roads at Anjaneya Swamy Layout Balance Roads in Ward No. 09, Vidyaranyapura Sub Division.

Estimate Cost Rs. 3000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1 / PWD SR 2014-15**	Cum							
			2	200.00	0.45	0.40	72.00		
			2	120.00	0.45	0.40	43.20		
			2	90.00	0.45	0.40	32.40		
			2	180.00	0.45	0.40	64.80		
	1st Cross Lakeshore Garden RHS		2	140.00	0.45	0.40	50.40		
	Hanuman Layout 1st to 3rd Cross		2x3	35.00	0.45	0.40	37.80		
	1st Cross APC Layout		2	210.00	0.45	0.40	226.80	75.60	
			2	200.00	1.50	0.20	120.00		
			2	120.00	1.50	0.20	72.00		
			2	90.00	1.50	0.20	54.00		
			2	180.00	1.50	0.20	108.00		
	1st Cross Lakeshore Garden RHS		2	140.00	1.50	0.20	84.00		
	Hanuman Layout 1st to 3rd Cross		2x3	35.00	1.50	0.25	78.75		
	1st Cross APC Layout		2	210.00	1.50	0.20	126.00		
							1170.15	75.60	**88463.00**
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2014-15**	Sqm							
			2	200.00		1.35	540.00		
			2	120.00		1.35	324.00		
			2	90.00		1.35	243.00		
			2	180.00		1.35	486.00		
	1st Cross Lakeshore Garden RHS		2	140.00		1.35	378.00		
	Hanuman Layout 1st to 3rd Cross		2x3	35.00		1.35	283.50		
	1st Cross APC Layout		2	210.00		1.35	567.00		
							2821.50	58.32	**164550.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2014-15**	Sqm							
			Qty Vide Item No. 2				**2821.50**	75.60	**213305.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**75.60**							
4	KSRRB 300-47: scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges complete as per specifications MORTH chapter 3, **No. 143 / Item No. 19.53 / PWD SR 2014-15**	Sqm							
			2	200.00	1.30		520.00		
			2	120.00	1.20		288.00		
			2	90.00	1.25		225.00		
			2	180.00	1.35		486.00		
	1st Cross Lakeshore Garden RHS		2	140.00	1.00		280.00		
	Hanuman Layout 1st to 3rd Cross		3	35.00	5.00		525.00		
	1st Cross APC Layout		2	210.00	1.35		567.00		
							2891.00	22.68	**65568.00**
	Basic Rate	21.00							
	Area Weightage @ 8%	1.68							
	Total	**22.68**							
5	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 154 / Item No. 20.18 / PWD SR 2014-15**	Cum							
			2	200.00	1.30	0.20	104.00		
			2	120.00	1.20	0.20	57.60		
			2	90.00	1.25	0.20	45.00		
			2	180.00	1.35	0.20	97.20		
	1st Cross Lakeshore Garden RHS		2	140.00	1.00	0.20	56.00		
	Hanuman Layout 1st to 3rd Cross		3	35.00	5.00	0.15	78.75		
	1st Cross APC Layout		2	210.00	1.35	0.20	113.40		
							551.95	1438.56	**794013.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							
6	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.6 / PWD SR 2014-15**	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	200.00	5.50		1100.00		
			1	120.00	5.50		660.00		
			1	90.00	5.00		450.00		
			1	180.00	5.50		990.00		
	1st Cross Lakeshore Garden RHS		1	140.00	5.50		770.00		
	Hanuman Layout 1st to 3rd Cross		3	35.00	5.00		525.00		
	1st Cross APC Layout		1	210.00	5.50		1155.00		
							5650.00	31.32	**176958.00**
	Basic Rate	29.00							
	Area Weightage @ 8%	2.32							
	Total	**31.32**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **with 100-120 TPH capacityH.M.P with sensor paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen Page No. 159 / Item No. 21.20.2 / PWD SR 2014-15**	Cum							
	Agency Away Layout Inner Road 2nd Cross		1	200.00	5.50	0.025	27.50		
			1	120.00	5.50	0.025	16.50		
			1	90.00	5.00	0.025	11.25		
			1	180.00	5.50	0.025	24.75		
	1st Cross Lakeshore Garden RHS		1	140.00	5.50	0.025	19.25		
	Hanuman Layout 1st to 3rd Cross		3	35.00	5.00	0.025	13.13		
	1st Cross APC Layout		1	210.00	5.50	0.025	28.88		
							141.25	8475.84	
	Depression Filling @ 15%						21.19		
							162.44	8500.00	**1380719.00**
	as per Revised Basic Rate	7848.00							
	Area Weightage @ 8%	627.84							
	Total	**8475.84**							
8	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 11.90 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**1170.15**	73.57	**86087.00**
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X2 = 30.46	5.12							
	PWD SR 2014-15 (P.130 / I.17.1) For loading and unloading	63.00							
		68.12							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
9	Sub Total								**2969663.00**
10	Third Party Inspection Charges @ 1%								**29697.00**
		L/S							**640.00**
								Total	**3000000.00**

(Rupees Thirty Lakhs Only)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

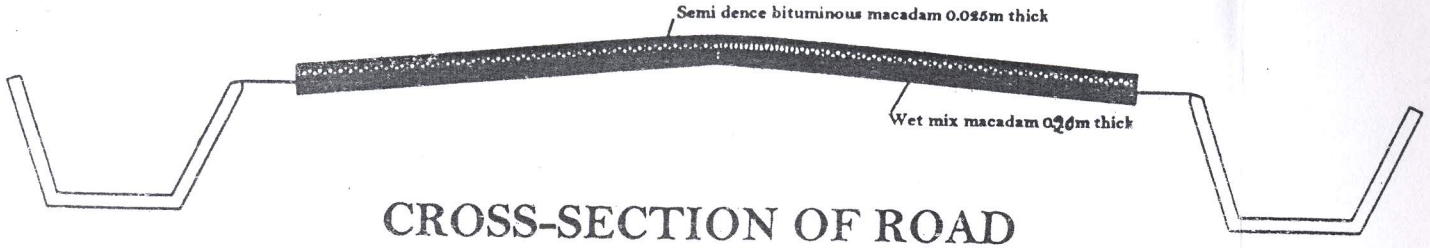
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 30.00 lakh Rs.
Head of A/C P3089
CER NO : 29 Dt: 19.08.15

TA CE (YNK)

Technical Sanction
Accorded For 30.00 lakh Rs
Head of A/C P3089
CER NO : 46 Dt: 21.08.15

TA CE (YNK)



CROSS-SECTION OF ROAD

INDEX

- Wet mix macadam
- Semi dence bituminous concret

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97